

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 6:10 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 055 Const Calendar Day: 570 Date: 01-Apr-2011 Friday  
Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 AM 04:00 PM Break: 00:30 Over Time: 00:00

Federal ID:

Location:

Reviewer: Soheilifard, Saman Approved Date: 05-Apr-11 Status: Approved

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:**Diary:**

Dispute

**Tower Activities**

Bolting at Splice #1 - Elevation 50.3m

Bolting of 27mm A490M assemblies was ongoing throughout the shift. The skins on the East shaft have been tensioned (except for the 10 columns on skins C & D for the ventilation hood). Snugging and tensioning of bolts started on the longitudinal stiffeners inside the east shaft. Also, bolts were being installed in the skins on the North shaft.

I witnessed torque verification testing on the East shaft skin bolts that were tensioned from the shaft exterior. The following columns of bolts were tested:

- A2, A3, A7, A10, A11, A15, & A16
- B2, B3, B6, B7, B10, & B11
- C6, C7, C10, C11, C14, & C15
- D10, D11, D14, D15, D18, & D19
- E2, E3, E7, E8, E12, E13, E16, E17, E21, & E22

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Welding continued throughout the shift on ESW restraint brackets on shear plate a2N.

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Welding at Splice #2:

Welding started today on the fillet welds on the B-C corner and C-D corner splices inside the South shaft. They started with tack welding only, and they are preheating with torches. After they get sufficient tack welds in place, then they plan to remove the restraints and wedges holding the plate tight in against the corner plate. Then they can install preheat blankets, and start production welding.

The air monitoring at this location showed excessive readings on CO. The CO air readings were excessive not just in the immediate area of welding, but also as far up the shaft as 123m. The welding was paused while extra ventilation was installed. Extra ventilation was installed at Elevation 83m to suck out the fumes. Also, fans were installed at 53m to blow fresh air into the shaft to try to increase the overall circulation. I called Mark Woods and safety officer Grady Hart to inform them of this issue.

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Dimension checks:

I measured the shaft spacing at the top of Lift 4. The 143m struts have all been pinned with bolts installed, so the spacing between the Lift 4 shafts should be in its final position. All of the measurement are within tolerance. Also, I compared these measurements against the shaft spacing for the grillage (which was measured last week). This is to get an idea of how well the Splice #4 skins will align across the Splice #4



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connection. Below is the difference in the shaft spacing from Lift 4 to the grillage:

- North-to-East shafts at the A-E corner: 7mm
- North-to-East shafts at the A-B corner: 10mm
- South-to-West shafts at the A-E corner: 2mm
- South-to-West shafts at the A-B corner: 7mm
- North-to-West shafts at the A-E corner: 2mm
- North-to-West shafts at the D-E corner: 6mm
- South-to-East shafts at the A-E corner: 4mm
- South-to-East shafts at the D-E corner: 9mm

04-0120F4 Bid Item: 053 T-L01-TNE.053 Tower Lift 01 Tower NE Erect structural steel (bridge tower)

AMERICAN BRIDGE/FLUOR, A JV

### Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	APP	TODD JACKSON	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	SALVADOR SANDOVAL	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	KENNETH CHAPPELL	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	Tony Miranda	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	RYAN NASH	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	ROGELIO RUIZ	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	FOR	DAVID LUCERO	8.00	0.00	0.00	8.00		<input type="checkbox"/>